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AMENDMENTS TO THE CLAIMS

In the claims, please amend claim 19 as follows:

- 1-18. (canceled)
- (currently amended) A method for delivering a polynucleotide to the cytoplasm of a cell comprising:
 - a) forming a first amine-containing amphiphilic polyvinylether polymer <u>having the</u> formula;

wherein R1 contains an amine group and R2 is a hydrophobic group;

 b) forming a second amine-containing amphiphilic polyvinylether polymer capable of causing liposome leakage <u>having the formula</u>;

wherein R1 contains an amine group and R2 is a hydrophobic group;

- c) reversibly modifying the second amine-containing amphiphilic polyvinylether polymer via covalent linkage of a plurality of disubstituted maleic anhydride to amines on the polymer thereby forming a reversibly inhibited membrane active polymer, wherein:
 - the reversibly inhibited membrane active polymer is not capable of causing liposome leakage, and
 - exposure of the reversibly inhibited membrane active polymer to acidic pH results in cleavage of the disubstituted maleic anhydride from the second amine-containing amphiphilic polyvinylether polymer; and,
- d) associating said polynucleotide with the first amine-containing amphiphilic polyvinylether polymer to form a binary complex;
- e) associating said binary complex with the reversibly inhibited membrane active polymer to form a ternary complex; and
- f) contacting the cell with the ternary complex resulting in delivery of the polynucleotide to the cell

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20-21. (canceled)

 (previously presented) The method of claim 19 wherein said first amine-containing amphiphilic polyvinylether polymer is crosslinked to said reversibly inhibited membrane active polymer via a pH-labile bond.

(previously presented) The method of claim 19 wherein said amine-containing amphiphilic
polyvinylether polymers disrupt an endocytic membrane of the cell thereby providing
delivery of said polynucleotide the cytoplasm of said cell.

24-26. (canceled)

- (previously presented) The method of claim 19 wherein said disubstituted maleic
 anhydrides are selected from the group consisting of: carboxydimethylmaleic anhydride,
 carboxydimethylmaleic anhydride-thioester, and carboxydimethylmaleic anhydridepolyethylene glycol.
- 28. (previously presented) The method of claim 27 wherein said disubstituted maleic anhydrides are cleaved from said second amine-containing amphiphilic polyvinylether polymer in an endosome.
- (previously presented) The method of claim 19 wherein said amine-containing amphiphilic polyvinylether polymers each have a molecular weight greater than 10,000 Daltons.
- (previously presented) The method of claim 22 wherein said ternary complex consists of a nanoparticle.
- (previously presented) The method of claim 30 wherein said nanoparticle consists of a salt stable nanoparticle.
- (previously presented) The method of claim 31 wherein said ternary complex has a net negative charge.